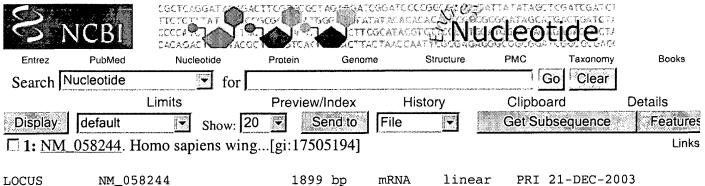
App Serial # 09/898,456 Exhibit B
Friddle et al. LEX-0198-USA
Novel Human Secreted Proteins and Polynucleotides Encoding the Same

Score = 708 bits (1808), Expect = 0.0Identities = 331/337 (98%), Positives = 331/337 (98%) Frame = +2

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- Query: 153 NVEFGERISKLFVDSLEKGKDARALMNLHNNRAGRLAVRATMKRTCKCHGISGSCSIQTC 212 NVEFGERISKLFVDSLEKGKDARALMNLHNNRAGRLAVRATMKRTCKCHGISGSCSIQTC
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- Sbjct: 863 SPDYCTCNSSLGIYGTEGRECLQNSHNTSRWERRSCGRLCTECGLQVEERKTEVISSCNC 1042
- Query: 333 KFQWCCTVKCDQCRHVVSKYYCARSPGSAQSLGKGSA 369 KFQWCCTVKCDQCRHVVSKYYCARSPGSAQSLGKGSA
- Sbjct: 1043KFQWCCTVKCDQCRHVVSKYYCARSPGSAQSLGKGSA 1153



Homo sapiens wingless-type MMTV integration site family, member 8A DEFINITION

(WNT8A), transcript variant 2, mRNA.

ACCESSION NM 058244

NM_058244.1 GI:17505194 VERSION

KEYWORDS

Homo sapiens (human) SOURCE

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

(bases 1 to 1899) REFERENCE 1

Saitoh, T., Mine, T. and Katoh, M. **AUTHORS**

TITLE Expression and regulation of WNT8A and WNT8B mRNAs in human tumor

cell lines: up-regulation of WNT8B mRNA by beta-estradiol in MCF-7 cells, and down-regulation of WNT8A and WNT8B mRNAs by retinoic

acid in NT2 cells

JOURNAL Int. J. Oncol. 20 (5), 999-1003 (2002)

11956596 PUBMED

GeneRIF: Expression and regulation of WNT8A mRNA in human tumor REMARK

cell lines

REFERENCE (bases 1 to 1899)

AUTHORS Saitoh, T. and Katoh, M.

TITLE Molecular cloning and characterization of human WNT8A

Int. J. Oncol. 19 (1), 123-127 (2001) JOURNAL

PUBMED 11408932

REVIEWED REFSEQ: This record has been curated by NCBI staff. The COMMENT reference sequence was derived from AB057725.1 and AY009402.1.

> Summary: The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family, and may be implicated in development of early embryos as well as germ cell tumors. It encodes a protein which shows 81% amino acid identity to the mouse Wnt8A protein. Among members of the human WNT family, this protein is most similar to WNT8B protein (64% total amino acid identity). Alternative splicing of this gene generates two transcript variants.

Transcript Variant: This variant (2) contains an additional fragment in the 3' region, as compared to variant 1. This fragment shifts the reading frame and contains a stop codon. Isoform 2 encoded by this variant is shorter and has different C-terminus than isoform 1.

FEATURES Location/Qualifiers

> 1..1899 source

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Jun 8 2004 17:01:12